G 7883 CD Laboratory Glassware Washer

Analytical Cleaning, HEPA-Filtered Drying





G 7883 CD:
Advancing the Science of Clean

Miele G 7883 CD Overview

The Miele G 7883 CD combines the leading features of Miele undercounter glassware washers plus the added benefit of a HEPA-filtered forced-air drying system and on-board liquid detergent and neutralizer dispensing.

This model is especially suited to applications where complete drying of glassware, both inside and out, is necessary, and where optimized turnaround is critical. The G 7883 CD accomplishes this by eliminating the need for a drying oven, both freeing laboratory floor space and reducing glassware handling.

G 7883 CD Key Features

- HEPA-filtered forced-air drying
- Multitronic controller
  - 8 standard wash programs
  - 1 additional custom program space
  - Adjustable wash temperature
  - Adjustable holding time
- Standard liquid dispensing
  - 1 on-board 5L liquid detergent dispenser
  - 1 on-board 5L liquid neutralizer dispenser
  - Two optional off-board 5L dispensers
- Adjustable main wash and DI rinse
  - Adjustable from ambient to 93° C
- 106 gpm high-flow circulation
  - Separate drain & circulation pumps
- Standard RS-232 port
- Standard stainless steel exterior

Superior Cleaning Results

Miele washers employ a delicate balance of four factors to ensure exemplary cleaning results. Through a careful balance of wash time, water temperatures, water circulation, and specific detergents, Miele systems provide reliable wash results.

Advanced wash programs, precise sensors, and leading componentry; Miele truly is advancing the science of clean.

HEPA-Filtered Forced-Air Drying

Miele's HEPA drying system provides a faster, more complete drying result than traditional convection drying. Drying times and temperatures (ambient to 115° C) are fully adjustable to meet the demands of whatever is being dried.



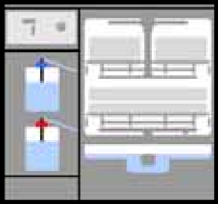
When combined with injection baskets, forced-air drying blows air both around the chamber and into each individual piece of glassware for complete drying, even in difficult narrow-neck items.

For added user safety, a cool-down step can be programmed at the end of the cycle to ensure that glassware is safe to handle.



Automated Liquid Dispensing

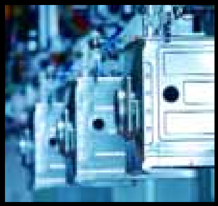
The G 7883 CD is equipped with on-board, color-coded liquid detergent and neutralizer dispensers for increased safety and simplicity.



Reliable, automatic dispensing provides high levels of accuracy and eliminates potential user error in the dosing process. Plus, the included reservoir means less refilling. Typically, the 5L neutralizer reservoir is refilled every 500 washes.

Stainless Steel Construction

Miele wash chamber longevity is the result of stainless steel, German engineering, and renowned craftsmanship.



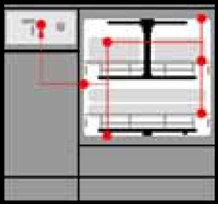
The chambers are built to withstand the rigors present in a demanding workplace. Side walls and ceiling are constructed of 304 stainless steel, with the floor and door constructed of high-grade 316 stainless steel for extra corrosion resistance. Seams are laser welded external to the wash chamber, eliminating spot welds where corrosion can occur.



Leading Machine Features, Superior Cleaning Results

Validation-Friendly Design

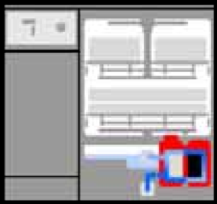
Featuring the Multitronic controller, standard RS 232 connection, multiple sensors, fault indicators, and a validation test port, the G 7883 CD is ideal for facilities requiring machine validation.



Miele also offers complete validation services, including extensive IQ/O documentation and convenient set pricing to simplify costing concerns and purchase orders.

Standard Built-In Water Softener

Soft water provides better cleaning than hard water and is gentler on your washer. For this reason, the G 7883 CD is equipped with a built-in water softener system. This eliminates scaling and enables your detergent to work at peak efficiency.



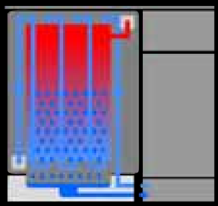
The timing of the Miele system can be adjusted to compensate for the hardness of your incoming water supply. If incoming water is already soft, the system can simply be deactivated.

Advanced Filter System

The G 7883 CD features multiple sump filters to help prevent debris from the wash load from recirculating, while filters upstream of the circulation pumps protect and extend pump life.

Standard Steam Condenser

The steam condenser eliminates the need for external machine venting while eliminating potentially hazardous steam from venting into the lab during operation.



Using cold water, this system condenses water vapors and flushes them down the drain. This ensures minimal radiant heat and a more pleasant work environment. Installation is also greatly simplified.

High-Volume Pumps

At near twice the circulation power of other manufacturers, the G 7883 CD features a low pressure, 106 gallon/minute circulation rate. This provides a high turnover rate of water, while remaining gentle enough not to damage or break delicate glassware, metal components, or electronics.

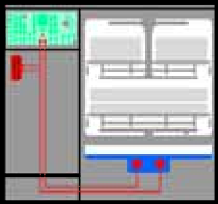


The G 7883 CD also features separate pumps for circulation and drainage, simplifying installation and reducing cross-contamination concerns.

The pumps feature speed sensors and a gentle start for maximum pump longevity.

Adjustable High Wash Temperatures

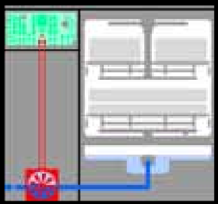
Hotter water provides better cleaning and rinsing. The G 7883 CD can heat wash and DI water up to 93° C, compared to 60° C found in other machines. Separate wash and DI rinse temperatures are user-configurable.



The washer features dual sensors for consistent, reliable wash temperatures, allowing a greater degree of accuracy and control.

Flow Meters & Heated DI Rinse Cycles

Complete elimination of residue is best accomplished by one or more heated DI rinse cycles. The G 7883 CD features a DI water connection, the ability to heat the DI water up to 93° C, and the option of up to six DI rinse steps.



Miele combines this with flow meters on all incoming water lines. This feature allows extremely precise filling, and varying of fill volume by program step. The ability to vary fill volumes helps to save water by allowing the use of less water in certain wash or rinse steps.







Multitronic Controller: Simplicity and Ease of Use

Simple Control

The Miele Multitronic control system is powerful and easy to use, providing quick access to all program functions and indicators.

Through the expertise of the Miele Application Laboratory, the G 7883 CD is equipped with a strong selection of eight standard cleaning programs to deftly handle common laboratory cleaning challenges.

The eight standard wash routines are ideal for the vast majority of cleaning applications. For added flexibility, the Multitronic control system features the *Custom* program slot for addition of a wash routine with customized wash and rinse temperatures, addition of wash steps, and modified holding times.

Should your cleaning application require special attention, our application specialists will work with you to guarantee the best programming for your specific, unique needs.

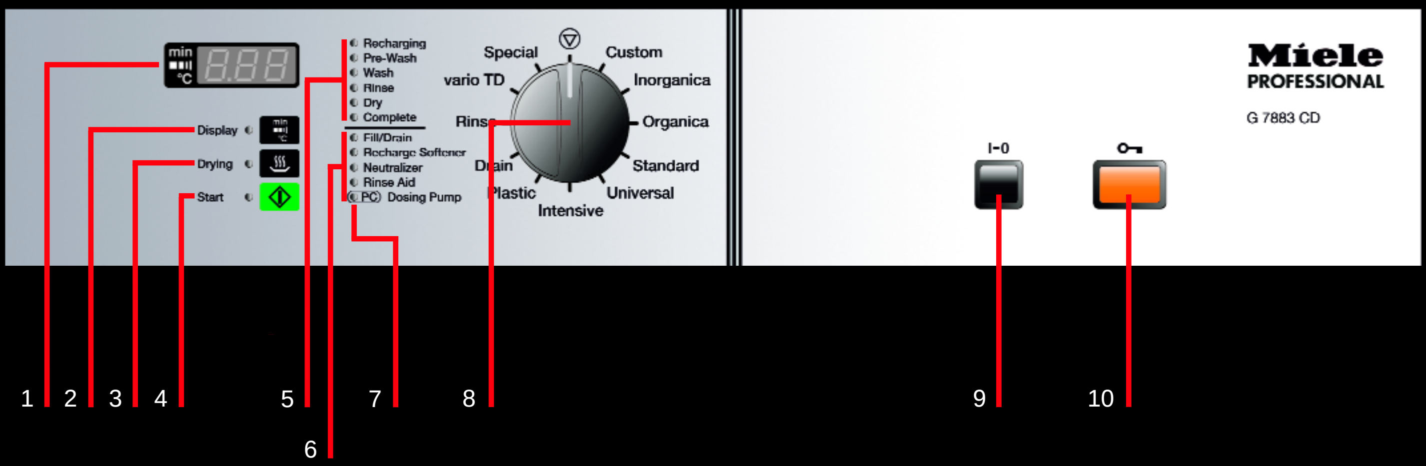
Advanced Cleaning

Program selection is accomplished through a single, easy-to-use dial, enabling an operator to use the machine even when wearing bulky protective gloves.

The Multitronic display and alert system has been designed to provide clear and concise indication of all machine actions. The LCD alphanumeric display can be toggled to clearly display wash program step, temperature, or time elapsed.

At a glance, the wash step indicator clearly shows what stage the program is currently in. The display also shows fault codes, alerting technicians of an impediment to the wash performance.

Completion of the wash program is indicated both on the display and acoustically with the included buzzer, helping alert staff when the glassware is ready. System malfunctions, such as drain or fill errors, are signaled both visually, and audibly using the error fault lights and buzzer.



1 Alphanumeric LCD display
2 *Minute / Wash Step / ° C* LED display
3 Optional drying selector
4 Program selector button
5 Program sequence indicator LEDs
6 Error indicator LEDs
7 Optical PC interface
8 Rotary selector dial
9 On/Off button
10 Electronic door lock

Miele Professional:
Service and Customization at Your Fingertips

The Exclusive Application Laboratory

Drawing on a library of knowledge constructed over 100 years through cleaning innovation and expertise, Miele provides world-class application assistance and consultation.

A key component of this is the exclusive Miele Application Laboratory, housed in Princeton, NJ, with a sister lab in Gütersloh, Germany.



Through these active working labs, Miele constantly surveys the horizon for unique cleaning challenges. This ensures you a truly competent and uniquely tailored cleaning system. Miele will also guide you, through testing, to the proper basket system. Whether cleaning narrow-necked Erlenmeyer flasks containing solvents on an injection insert, orthopedic knee implants covered in titanium dust in the proper wash rack, or loose stainless steel gears coated in cutting oils in a fine mesh basket, you are ensured consistent results.

Wide Array of Baskets & Detergents

Through the largest collection of washer baskets and detergents in the industry, you are ensured a specific, automated washing solution to your unique cleaning requirements.

And, should your needs change, rest assured in knowing that Miele baskets and inserts are highly interchangeable, meaning that your new cleaning procedure, including detergents and wash baskets, is only a phone call away.

Comprehensive Validation Services

Miele is proud to offer renowned validation documentation and services for Miele Professional laboratory glassware washers.



Miele validation services include extensive Miele-developed IQ/OQ documentation, fully trained validation technicians, and convenient set pricing to eliminate cost concerns associated with hourly billing by independent consultants.

Miele Professional Technical Service

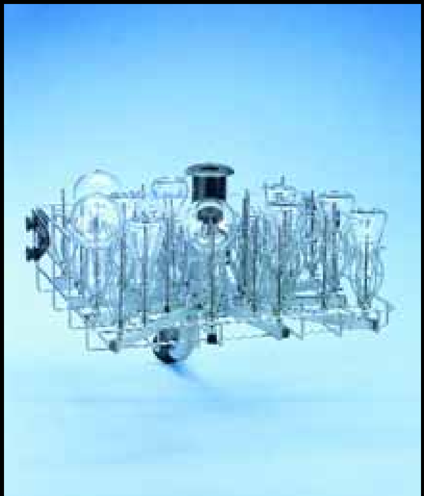
Place your trust in Miele, and you are incorporating an industry-leading cleaning system into your facility. A network of dedicated and highly specialized Miele Professional Technical Service personnel guarantees that on-site assistance is close at hand.



To ensure a robust operating life, Miele produces spare parts for at least 15 years from the discontinuation of series production for every model. Coupled with industry-leading engineering, you have a rock-solid, reliable cleaning solution.

Miele sets the standard in terms of knowledge, application support, and training. Beyond comprehensive machine service, Miele Professional Technical Service also excels in installation and application-related issues, supplying you with the flexibility needed to deftly handle evolving goals and application issues.







Laboratory Glassware Washer
Technical Data

Machine	**G 7883 CD**
Control Unit	
Multitronic:	Multitronic control system with programmable holding time and temperatures, optional RS 232 for
	connection to printer or PC, and simple numeric LCD screen
Standard:	8 standard wash programs with utility programs
Custom:	1 available space for a custom wash program to be created and stored
Temperatures	
Wash:	Freely adjustable up to 93° C
Final Rinse:	Freely adjustable up to 93° C
Cleaning Mechanism	
Rotary:	Dual spray arms located at the top and bottom of chamber, third spray arm on upper basket
Direct Injection:	Upper, lower, and dual injection baskets available
Drying	HEPA-filtered forced-air drying system w/ freely adjustable time and temperature settings w/ cool-down step
	Temp adj.: 140-239° F (60-115° C), 1° C increments; time adj.: 1-240 min., 1 minute increments
Water Softener	Built-in softener with easily programmed water hardness control
Steam Condenser	Included; no external venting required
Detergent & Neutralizer Dispensing	
Detergent:	1 Peristaltic-type liquid dispenser standard; detergent dispensed directly from 5L container in pull-out drawer
Neutralizer:	1 Peristaltic-type liquid dispenser standard; neutralizer dispensed directly from 5L container in pull-out drawer
Optional:	2 additional peristaltic-type dosing connections for 5L containers optional, also stored in pull-out drawer
Main Circulation Pump	
Circulation:	106 gal/min (400 l/min)
	Pump includes sensor to protect against overheating
Cabinet and Chamber Construction	
Exterior:	Brush finish type 304 stainless steel top, front, sides and bottom
Interior:	Type 304 stainless steel chamber sides, back and top
	Type 316 stainless steel chamber floor and door
Plumbing Connections	
Tap (3 connections):	a) *Hot water for wash cycles:* One 1/2” ID pressure hose, 5’ 7” long with 3/4” hose thread
	Input pressure: 10 - 147 PSI (recommended 25 - 60 PSI), minm flow rate of 2.5 gal/min (10.5 l/min)
	Max incoming water temperature: 158° F (70° C)
	b, c) *Cold water for wash cycles & steam condenser:* Two 1/2” ID pressure hoses, 5’ 7” long w/ 3/4” hose thread
	Input pressure: 10 - 147 PSI (recommended 25 - 60 PSI), minm flow rate of 2.5 gal/min (10.5 l/min)
	Max incoming water temperature: 158° F (70° C)
DI (1 connection):	d) *DI water for rinse cycles:* One 1/2” ID pressure hose, 5’ 7” long with 3/4” hose thread
	Input pressure: 25 - 145 PSI; if DI system is less than 25 PSI, a pump kit is recommended
	Max incoming water temperature: 158° F (70° C)
Drain Connections	
Connection:	Two 7/8” ID flexible drain hoses, 4’ 11” long; max drain height = 3’. Max drain length = 13’
	Recommended connection to separate standpipe
Flow Rate:	Maximum amount of water a drain needs to accept would be both numbers at the same time: 3.5 gal/min
	2.5 gal/min (10.5 l/min) for chamber fill
	1 gal/min (4 l/min) for steam condenser fill
Electrical Requirements	3 AC 208 V, 60 Hz, 3 x 20 Amps, 6.0kW total load
Optional Conversion:	1 AC 208 V, 60 Hz, 2 x 30 Amps, 6.0kW total load (Must specify at time of order)
	Unit is equipped with a 5’11”, 12/4 AWG unterminated power cord
Noise Level	54 dBA freestanding, 52 dBA undercounter (measured 1m from front)
Dimensions	
Exterior:	32.3” - 33.5” H x 35.5” W x 27.6” D
Interior (Chamber):	19.7” H x 21.1” W x 19.7” D

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